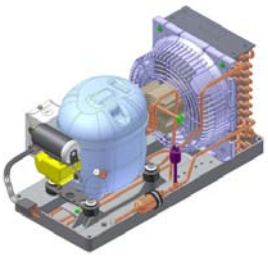
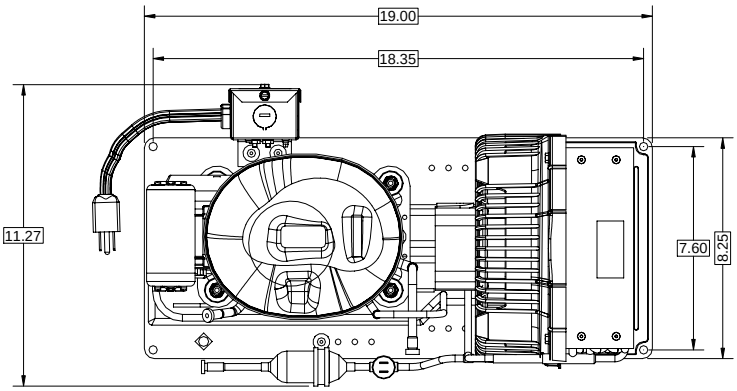
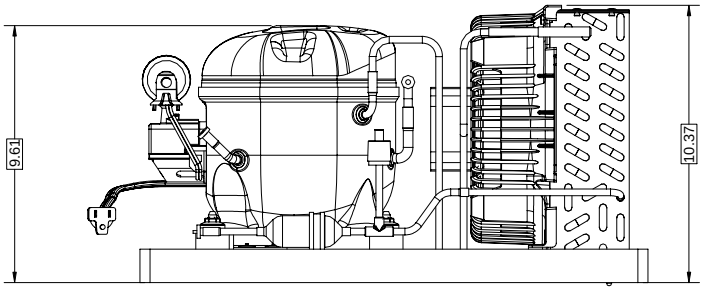
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AE4430U-AA1AGK**
BOM	**33Y484-3**
Air Cooled	**1/4 HP**
Application	**High/Commercial Temp**
Refrigerant	**R290**
Volts-Hz-Ph	**150-60-1**







AE4430U-AA1AGK	Dim. Enclosure (inch)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs. (kg)
	19.00	11.27	10.37	5/16"	1/4"	---	170	9.64	39.8 (18.05)

Factory charge 20 psig dry air, **MUST BE EVACUATED**
Maximum Refrigerant Charge: 150 gr

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
5	27.8	1620	260	172	99	1500	270	194	108	1400	280	219	117	1300	280	245	126
10	32.0	1800	270	177	101	1670	280	199	110	1550	290	224	119	1440	300	250	127
15	36.5	1990	280	183	103	1850	290	205	112	1710	300	230	121	1590	310	256	129
20	41.3	2200	300	189	106	2030	310	211	114	1890	320	236	123	1750	330	262	131
25	46.5	2420	310	195	108	2230	320	217	116	2070	330	242	125	1920	340	268	133
30	52.0	2640	320	203	111	2440	330	225	119	2260	350	249	127	2100	360	275	135
35	57.9	2860	330	210	114	2650	350	232	121	2450	360	257	129	2280	380	283	137
40	64.2	3090	340	218	117	2860	360	240	124	2650	380	265	132	2460	390	291	140

Performance @ 60 Hz, Return 65°F, SubCooling 5°F

PRELIMINARY

Parts/Specifications

Unit BOM	**33Y484-39**	Fan Motor	810-141EA
Unit MODEL	**AE4430U-AA1AGK**	Fan Motor RLA	0.32
		Fan Blade	515-021P
Refrigerant	R290	Replacement Fan Motor	
Refrigeration RANGE	20°F to 55°F	F. M., blade, guard assy	
Design Pressure Low	130	F. M., blade, guard, shroud assy	
Design Pressure High	450		
Volts - HZ - Ph	115V ~ 60HZ	Condenser	50734-G04
Voltage Range	103 - 127	Shroud	
Min. Circuit Ampacity	5.55	Fan Guard	116-003P
Max. Fuse Size	15		
		Power Cord	85106-10
Compressor MODEL	AE4430U-AA1A	Hi Pressure Switch	841-10000
Compressor BOM	AE-1193-E	Liquid Filter/Drier	704-20004
Compressor LRA	24.5		
Compressor RLA	4.18		
OverLoad	830-10113		
Replacement Kit - O/L			
Relay	820-10037		
Replacement Kit - Relay			
Run Capacitor			
Run Capacitor Rating			
Start Capacitor	85PS165D93		
Start Capacitor Rating	270-324 MFD 165V		
Unit drawing DGU	DGBU-062B		
Electrical Diagram	91274